

COMMUNICATION SYSTEM WITH
FLOATING CALL ANCHOR

ABSTRACT OF THE DISCLOSURE

5 A floating call anchor is used to improve the
efficiency of utilization of wireless and backhaul
resources in cellular communication systems. For
conditions under which soft handoff can be effectively
used to conserve wireless resources, data transmitted
from a first mobile unit (MU) via a wireless signal are
received by one or more base transceiver stations (BTSS)
and sent to a base station controller (BSC) or other
10 device remote from the BTSS. The data are then sent from
the remote device to the BTS(s) transmitting data to a
second MU. If the two MUs engaged in communication are
within the same cell or adjacent cells, and the savings
of backhaul resources outweighs the additional wireless
15 resource costs associated with performing the call anchor
function at a BTS, then a single BTS is used to
communicate with both MUs. This single BTS performs the
call anchor function.